

FORM PTO-1449 (REV 7-80)	Atty. Docket No. 3191-003-01	Application No. <del>Unassigned</del>
INFORMATION DISCLOSURE STATEMENT	APPLICANT: Raymond J. Wong	10/629962
	Filing Date: July 30, 2003	Parent Group Art Unit: 1754

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
WAL	Des. 282,578	2/11/86	Humphreys et al.	D24	21	
WAL	3,669,878	6/13/72	Marantz et al.	210	22	
WAL	3,669,880	6/13/72	Marantz et al.	210	22	
WAL	3,697,410	10/10/72	Johnson et al.	204	301	
WAL	3,697,418	10/10/72	Johnson	210	22	
WAL	3,703,959	11/28/72	Raymond	210	87	
WAL	3,850,835	11/26/74	Marantz et al.	252	182	
WAL	3,989,622	11/2/76	Marantz et al.	210	22 R	
WAL	3,989,625	11/2/76	Mason	210	94	
WAL	4,025,608	5/24/77	Tawil et al.	423	305	
WAL	4,213,859	7/22/80	Smakman et al.	210	27	
WAL	4,256,718	3/17/81	McArthur et al.	423	419 P	
WAL	4,360,507	11/23/82	McArthur et al.	423	419 P	
WAL	4,460,555	7/17/84	Thompson	423	309	
WAL	4,484,599	11/27/84	Hanover et al.	137	636.1	
WAL	4,495,129	1/22/85	Newberry et al.	264	235	
WAL	4,558,996	12/17/85	Becker	417	374	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

WAL	Raymond J. Wong, "Method of Making Granular Sodium Zirconium Carbonates (SZC) From Zirconium Oxychloride for Dialysis Application and Zirconium Basic Carbonate (ZBC) Manufacture," Southern Ionics Technical Report No. TR-000008, July 25, 2000, pp. 1-10.		
WAL	Southern Ionics, Inc., Brochure, "SII: Creative Solutions Today." (no date)		
WAL	Cobe Renal Care, Inc., "Guide to Custom Dialysis," Product No. 306100-005; Revision E, 9/93, pp. 1-54. (no date)		
WAL	Cobe Renal Care, Inc., "Sorbent Dialysis Primer," Product No. 306100-006; Edition 4, 9/93, pp. 1-51. (no date)		
EXAMINER	Wayne A. Tangel	DATE CONSIDERED	4-1-04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
WAL	3,520,298	07/14/70	K. Lange	128	213	
WAL	3,545,438	02/12/68	James H. De Vries	128	213	
WAL	3,669,880	06/13/72	Marantz et al.	210	22	
WAL	3,685,680	08/22/72	Tenckhoff et al.	220	27	
WAL	3,850,835	11/26/74	Marantz et al.	252	182	
WAL	3,888,250	06/10/75	Hill	128	214	
WAL	3,939,069	02/17/76	Granger et al.	210	22	
WAL	3,989,622	11/02/76	Marantz et al.	210	22	
WAL	4,088,456	05/09/78	Giorgi et al.	55	179	
WAL	4,190,047	02/26/80	Jacobsen et al.	128	213	
WAL	4,192,748	03/11/80	Hyden	210	87	
WAL	4,412,917	11/01/83	Ahjopalo	210	104	
WAL	4,473,449	09/25/84	Michaels et al.	204	101	
WAL	4,474,853	10/02/84	Watanabe	428	403	
WAL	4,521,528	06/04/85	Kovach	502	208	
WAL	4,650,587	03/17/87	Polak et al.	210	638	
WAL	4,680,122	01/14/87	Barone	210	637	
WAL	4,765,907	08/23/88	Scott	210	648	
WAL	5,004,459	04/02/91	Peabody et al.	604	29	
WAL	5,034,124	07/23/91	Kopf	210	231	
WAL	5,151,082	09/29/92	Gorsuch et al.	604	4	
WAL	5,173,125	12/22/92	Felding	134	22.11	
WAL	5,498,338	03/12/96	Kruger et al.	210	641	
WAL	5,520,632	05/28/96	Leveen et al.	604	9	
WAL	5,549,674	08/27/96	Humes et al.	623	11	
WAL	5,595,909	01/21/97	Hu et al.	435	297.4	
WAL	5,641,405	06/24/97	Keshaviah et al.	210	645	
WAL	5,679,231	10/21/97	Alexander et al.	204	627	
WAL	5,712,154	01/27/98	Mullon et al.	435	297.4	
WAL	5,944,684	08/31/99	Roberts et al.	604	5	

## FOREIGN PATENT DOCUMENTS

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WAL	EP000152717A1	08/28/85	Europe	604	29	Abstract
WAL	FR2585251	01/30/87	France	A61M	1/34F	Abstract
WAL	08187284	07/23/96	Japan	A61M	1/14	Abstract
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
WAL	"Augmentation of Efficiency by Continuous Flow Sorbent Regeneration Peritoneal Dialysis", A. Gorden et al., Vol. XXII Trans. Amer. Soc. Artif. Int. Organs, 1976, pages 599-604. (no month)					
WAL	"Centrifugal Artificial Kidney", R. M. Kellogg, IBM Technical Disclosure Bulletin, Vol. 14, No. 11, April 1972, pages 3433-3435.					
WAL	"Combined Technological-Clinical Approach To Wearable Dialysis", Robert L. Stephen et al., Kidney International, Vol. 13, Suppl. 8 (1978), pages S-125-S-132. (no month)					
WAL	"Development of Continuous Recirculating Peritoneal Dialysis Using a Double Lumen Catheter", Michio Mineshima et al., ASAIO Journal, 1992, pages M377-M381. (no month)					
WAL	"Important Devices in Biomedical Engineering", John G. Webster, International Biomedical Engineering Days, 1992, pages 1-9. (no month)					
WAL	"Recirculation Peritoneal Dialysis with Sorbent Redy Cartridge", Rasib M. Raja et al., Nephron 16, (1976), pages 134-142. (no month)					
WAL	"Recirculating Peritoneal Dialysis with Subcutaneous Catheter", R. L. Stephen et al., American Society For Artificial Internal Organs, Vol. XXII, 1976, pages 575-584. (no month)					
WAL	"Sorbent Based Regenerating Delivery System For Use In Peritoneal Dialysis", A. J. Lewin et al., Vol. XX Trans. Amer. Soc. Artif. Int. Organs, 1974, pages 130-134. (no month)					
WAL	"The Use of Reciprocating Peritoneal Dialysis with a Subcutaneous Peritoneal Catheter in End-Stage Renal Failure in Diabetes Mellitus", G. D. Warden et al., Journal of Surgical Research, Vol. 24, June 1978, pages 495-500.					
WAL	"Blood Flow and Pressure Measurement", IBM Technical Disclosure Bulletin, February 1971.					
WAL	"Continuous Flow Dialyzer", IBM Technical Disclosure Bulletin, July 1975.					
WAL	"Reciprocating Peritoneal Dialysis", Carl Kablitz, M.D. et al., Dialysis & Transplantation, Vol. 7, Number 3, March 1978, pages 211-212 and 214.					
WAL	"Reciprocating Peritoneal Dialysis with a Subcutaneous Peritoneal Catheter", Robert L. Stephen, M.D., Dialysis & Transplantation, Vol. 7, Number 8, August 1978.					
WAL	"Studies on low-cost Disposable Bioreactor for Bilirubin Detoxification", B. Das et al., Proceedings RC IEEE-EMBS & 14 <sup>th</sup> BMESI, 1995, 4.53-4.54. (no month)					
WAL	"Technological Augmentation of Peritoneal Urea Clearance: Past, Present, and Future", Carl Kablitz, M.D. et al., Dialysis & Transplantation, Vol. 8, Number 8, August 1960, pages 741-744 and 778.					
WAL	E-mail-(1995) D. Halligan, "The Human and Artificial Kidney" from Google Search. (no month)					
WAL	"A Membrane System to Remove Urea from the Dialyzing Fluid of the Artificial Kidney" Kolff, W. J. et al., Annual rept. no. 2, 1 Jul 78-30 Jun 79)					
WAL	"The Regenerative Dialysis (REDY) Sorbent System" Roberts M., Nephrology, 1998, V4, N4 (Aug), P275-278.					
WAL	"In search of a 24 Hours Per Day Artificial Kidney" Lande A. J. et al., Journal of dialysis (U.S.) 1977, 1 (8) p.805-23, ISSN 0362-8558. (no month)					
WAL	"Efficacy of Lumbo-Peritoneal Versus Ventriculo-Peritoneal Shunting for Management of Chronic					

WAL	Hydrocephalus Following Aneurysmal Subarachnoid Haemorrhage" Kang S., Acta Neurochirurgica. 142 (1):p.45-49 2000. (no month)		
WAL	"Performance of the Dialytic Reactor with Product Inhibited Enzyme Reactions: A Model Study" Catapano Gerardo et al., Bioseparation 4 (3):p.201-211 1994. (no month)		
EXAMINER	Wayne A. Langel	DATE CONSIDERED	4-1-04
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U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
WAL	2,328,381	8/31/43	Jaffe	285	161	
WAL	4,042,672 A	08/16/77	Brugger et al.	423	419	
WAL	4,560,472	12/24/85	Granzow et al.	210	140	
WAL	4,738,668	4/19/88	Bellotti et al.	604	283	
WAL	5,032,261	7/16/91	Pyper	210	137	
WAL	5,035,805	7/30/91	Freeman et al.	210	689	
WAL	5,427,683	6/27/95	Gershon et al.	210	264	
WAL	5,498,338	3/12/96	Kruger et al.	210	641	
WAL	5,597,805	1/28/97	Breborowicz et al.	514	19	
WAL	5,631,025	5/20/97	Shockley et al.	424	678	
WAL	5,641,405	6/24/97	Keshaviah	210	645	
WAL	5,704,915	1/6/98	Melsky et al.	604	175	
WAL	5,782,796	7/21/98	Din et al.	604	29	
WAL	5,824,213	10/20/98	Utterberg	210	241	
WAL	5,938,634	8/17/99	Packard	604	29	
WAL	5,955,450	9/21/99	Breborowicz et al.	514	54	
WAL	5,968,966	10/19/99	Bergström	514	400	
WAL	5,980,481	11/9/99	Gorsuch	604	28	
WAL	5,984,891	11/16/99	Keilman et al.	604	65-67	
WAL	6,017,942	1/25/00	Bergström	514	399	
WAL	6,074,359	6/13/00	Keshaviah et al.	604	29	
WAL	6,117,122	9/12/00	Din et al.	604	408	
WAL	6,146,536	11/14/00	Twardowski	210	646	
WAL	6,196,992	3/6/01	Keilman et al.	604	67	
WAL	6,274,103	8/14/02	Taylor	422	261	
WAL	6,284,131	9/4/01	Hogard et al.	210	143	
WAL	6,284,139	9/4/01	Piccirillo	210	645	

WAL		6,293,921	9/25/01	Shinmoto et al.	604	29			
WAL		6,299,769	10/9/01	Falkvall et al.	210	232			
WAL		6,306,836	10/23/01	Martis et al.	514	58			
WAL		6,309,673	10/30/01	Duponchell et al.	424	717			
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		Document Number	Date	Country	Class	Sub Class	Translation Yes or No		
WAL		1770285A1	10/23/92	Soviet Union			Abstract Only		
WAL		3-242206	10/29/91	Japan			Abstract Only		
WAL		JP 59046964	1984	Japan			Abstract		
WAL		FR 2 585 251-A1	5/1985	France	A61M	1/34,1/14			
WAL		GB 1 467 880	3/1977	Great Britain	B01D	13/00			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
WAL		Copy of U.S. Patent Application No. 09/996,505, (no date)							
WAL		Copy of U.S. Patent Application No. 09/995,888, (no date)							
WAL		International Search Report for PCT/US01/44660, (no date)							
WAL		International Search Report for PCT/US01/44623, (no date)							
WAL		Pospelova and Zaitsev. "Carbanto-Compounds of Zirconium", Russian Journal of Inorganic Chemistry, vol. 11, #8, August 1966, pg. 995-1004.							
Examiner		Wayne A. Long			Date Considered		4-1-04		
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